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MATERIALS AND METHODS TO MODULATE LIGAND
BINDING/ENZYMATIC ACTIVITY OF ALPHA BETA PROTEINS
CONTAINING AN ALLOSTERIC REGULATORY SITE
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Figure 1 - LFA-1 I Domain Amino Acid Sequence

GNVDLVFLFD GSMSLQPDEF QKILDGMKDV MKKLSNTSYQ FAAVQFSTSY KTEFDFSDYV
KWKDPDALLK HVKHMLLLTV TFGAINVYAT EVFREELGAR PDATKVLI III TDGEATDSGN
IDAAKDIIRY IIGIGKHFQT KESQETLHKF ASKPASEFVK ILDTFEKLKD LFTELQKKIY

FIGURE 2 - LFA-1 Amino Acid Sequence

MKDSCITVMA MALLSGFFFF APASSYNLDV RGARSFSPPR AGRHFGYRVL QVGNGVIVGA
PGEGNSTGSL YQCQSGTGHC LPVTLRSNY TSKYLGMLTA TDPTDGSI LA CDPGLSRTCD
QNTYLSGLCY LFRQNLQGPM LQGRPGFQEC IKGNVDLVFL FDGSMSLQPD EFQKILDGMK
DVMKKLSNTS YQFAAVQFST SYKTEFDIFSD YVKWKDPMAL LKHVKHMPLL TNTFGAINVY
ATEVFREELG ARPDATKVLI I ITDGEATDS GNIDAAKDII RYIIGIGKHF QTKEQSQETLH
KFASKPASEF VKILDTEFLK KDLFTELQKK IYVIEGTSQ DLTTSFNMLE SSGISADLSR
GHAVVGAVGA KDWAGGFLDL KADLQDDTFI GNEPLTPEVR AGYLGTVTW LPSRQKTSLL
ASGAPRYQHM GRVLLFQEPQ GGGHWSQVQT IHGTQIGSYF GGELCGVDVD QDGETELLI
GAPLFYGEQR GGRVFIYQRR QLGFEEVSEL QGDPGYPLGR FGEAITALTD INGDGLVDVA
VGAPLEEOGA VYIFNGNRHGG LSPQPSQRIE GTQVLSGIQW FGRSIHGVKD LEGDGLADVA
VGAESQMIVL SSRPVVDMVT LMSFSPAEIF VHEVECSYST SNKMKEGVNI TICFQIKSLY
PQFQGRLVAN LTYTLQLDGH RTRRRGLFPG GRHELRRNIA VTTSMSCD SFHFPVCVQD
LISPINVSLN FSLWEEEETP RDQRAQGKDI PPILRPLHS ETWEIPFEKN CGEDKKCEAN
LRRSFSPARS RALRLTAFAS LSVELLSLSNL EEDAYWVQLD LHFPPLSFR KVEMLKPHSQ
IPVSCEELPE ESRLLSRAL S CNVSSPIFKA GHSQLQMMF NTLVNSSWGD SVELHANVTC
NNEDSDLLED NSATTIIPIL YPINILIQQ EDSTLYVSFT PKGPKIHQVK HMYQVRIQPS
IHDHNIPTLE AVVGVPQPPS EGPITHQWSV QMEPPVPCHY EDLERLPDAE EPCLPGALFR
CPVVFRQEIL VQVIGTLELV GEIEASSMFS LCSSLISIFN SSKHFHLYGS NASLAQVVMK
VDVYYEKQML YLYVLSGIGG LLLLLLIFIV LYKVGFFKRN LKEKMEAGR VPNGIPAEDS
EQLASGQEAG DPGCLKPLHE KDSESGGGKD